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## WEEE Warning Message

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### Symbol for Separate Collection in European Countries

This symbol indicates that this product is to be collected separately.

The following apply only to users in European countries:

- This product is designated for separate collection at an appropriate collection point. Do not dispose of as household waste.
- For more information, contact the retailer or the local authorities in charge of waste management.



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## FCC STATEMENT

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This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1). This device may not cause harmful interference, and
- (2). This device must accept any interference received, including interference that may cause undesired operation.

### **Note:**

This equipment has been tested and found to comply with the limits for Class B digital devices, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected

Use of shielded cable is required to comply with Class B limits in Subpart B of Part 15 of the FCC rules.

Do not make any changes or modifications to the equipment unless otherwise specified in the manual. If such changes or modifications should be made, you could be required to stop operation of the equipment.

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## Product Information

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1. Product design and specifications are subject to change without notice. This includes primary product specifications, software, software drivers, and user's manual. This User Manual is a general reference guide for the product.
2. The product and accessories that come with your camera may be different from those described in this manual. This is due to the fact that different retailers often specify slightly different product inclusions and accessories to suit their market requirements, customer demographics, and geographical preferences. Products very often vary between retailers especially with accessories such as batteries, memory cards, cables, carrying cases/pouches, and language support. Occasionally a retailer will specify a unique product color, appearance, and internal memory capacity. Contact your dealer for precise product definition and included accessories.
3. The illustrations in this manual are for the purpose of explanation and may differ from the actual design of your camera.
4. The manufacturer assumes no liability for any errors or discrepancies in this user manual.
5. For driver updates, you can check the "Download" section of our website, [www.geniusnet.com](http://www.geniusnet.com)

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## SAFETY INSTRUCTIONS

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Read and understand all **Warnings** and **Cautions** before using this product.

### Warnings

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- |  |   |
|--|---|
| <p>■ <b>If foreign objects or water have entered the camera, turn the power OFF and remove the batteries.</b></p> <p>Continued use in this state might cause fire or electric shock. Consult the store of purchase.</p>  |  |
| <p>■ <b>If the camera has fallen or its case has been damaged, turn the power OFF and remove the batteries.</b></p> <p>Continued use in this state might cause fire or electric shock. Consult the store of purchase</p> |  |
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**■ Do not disassemble, change or repair the camera.**

This might cause fire or electric shock. For repair or internal inspection, ask the store of purchase.



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**■ Do not use the camera in areas near water.**

This might cause fire or electric shock. Take special care during rain, snow, on the beach, or near the shore.



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**■ Do not place the camera on inclined or unstable surfaces.**

This might cause the camera to fall or tilt over, causing injury.



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**■ Keep the batteries out of the reach of children.**

Swallowing batteries might cause poisoning. If the battery is accidentally swallowed, immediately consult a physician.



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**■ Do not use the camera while you are walking, driving or riding a motorcycle.**

This might cause you to fall over or result in traffic accident.



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**Cautions**

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**■ Insert the batteries paying careful attention to the polarity (+ or -) of the terminals.**

Inserting the batteries with its polarities inverted might cause fire and injury, or damage to the surrounding areas due to the battery rupturing or leaking.



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**■ Do not fire the flash close to anyone's eyes.**

This might cause damage to the person's eyesight.



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**■ Do not subject the LCD monitor to impact.**

This might damage the glass on the screen or cause the internal fluid to leak. If the internal fluid enters your eyes or comes into contact with your body or clothes, rinse with fresh water.

If the internal fluid has entered your eyes, consult a physician to receive treatment.



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**■ A camera is a precision instrument. Do not drop it, strike it or use excessive force when handling the camera.**

This might cause damage to the camera.



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**■ Do not use the camera in humid, steamy, smoky, or dusty places.**

This might cause fire or electric shock.



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**■ Do not remove the battery immediately after long period of continuous use.**

The battery becomes hot during use. Touching a hot battery might cause burns.



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**■ Do not wrap the camera or place it in cloth or blankets.**

This might cause heat to build up and deform the case, resulting in fire. Use the camera in a well-ventilated place.



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**■ Do not leave the camera in places where the temperature may rise significantly, such as inside a car.**

This might adversely affect the case or the parts inside, resulting in fire.



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■ **Before you move the camera, disconnect cords and cables.**

Failure to do this might damage cords and cables, resulting in fire and electric shock.

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## Notes on Battery Usage

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When you use the battery, carefully read and strictly observe the ***Safety Instructions*** and the notes described below:

- Different battery types and surrounding temperatures may affect the battery performance.
- Avoid using batteries in extremely cold environments as low temperatures can shorten the battery life and reduce camera performance.
- The battery may feel warm when using the camera for an extended period of time or using the flash continuously. This is normal and not a malfunction.
- The digital video camera may feel warm when being used continuously or for an extended period of time. This is normal and not a malfunction.
- If you will not be using the batteries for an extended period of time, remove them from the camera to prevent leakage or corrosion.
- Always keep the terminals in a clean state.
- Never use manganese batteries.
- Risk of explosion if battery is replaced by an incorrect type.
- Dispose of used batteries according to the instructions.

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## **Introduction**

Thank you for purchasing this new digital still camera!

Equipped with a 6.0 mega pixel CCD sensor, your camera delivers high quality, 2816 x 2112 resolution images. Other features provided by the camera include the following:

- ☐ True 6.0 Mega Pixel CCD
- ☐ 2.4" TFT color image LCD monitor
- ☐ 12x Zoom (3x Optical zoom and 4x Digital zoom)
- ☐ Supports Multi-Scene
- ☐ SD memory card can support up to 2GB
- ☐ DPOF functionality
- ☐ PictBridge support

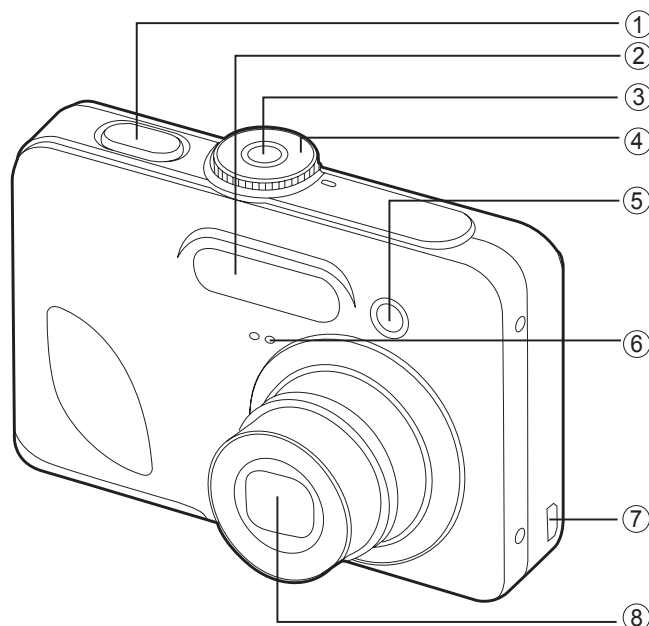
## **Package content**

Carefully unpack your kit box and ensure that you have the following items. In the event that any item is missing or if you find any mismatch or damage, promptly contact your dealer.

- ☐ Digital Camera
- ☐ CD driver includes:
  - Ulead Photo Explorer
  - Ulead Photo Express
  - Web Cam Driver for Windows 2000/XP
  - Multi-Language User's Manual
- ☐ USB cable
- ☐ AV out cable
- ☐ 2 x AA alkaline batteries
- ☐ Quick Guide
- ☐ Pouch
- ☐ Strap

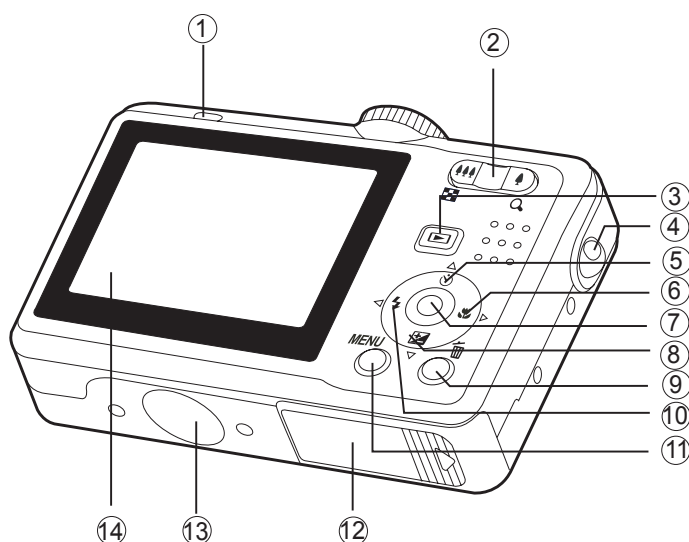
# GETTING TO KNOW YOUR CAMERA

## Front View



1. Shutter release button
2. Flash
3. Power switch
4. Mode dial
5. Self-timer LED
6. Microphone
7. PC / Video terminal
8. 8. Lens

## Rear View



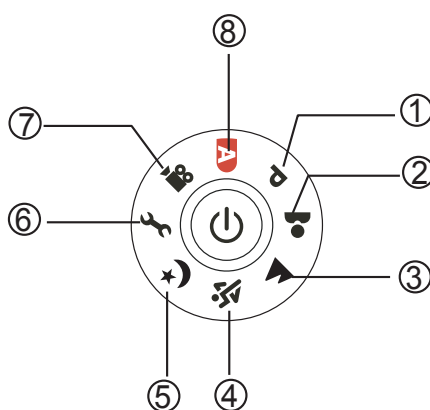
1. LED indicator
2. ▲ / Q Zoom in (telephoto) button  
 ▲ / Q Zoom out (wide-angle) button
3. ▶ Playback button
4. Strap holder
5. ▲ Arrow button (Up)  
Self-timer button
6. ► Arrow button (Right)  
Focus
7. OK button
8. ▼ Arrow button (Down)  
 + Exposure compensation button
9. 🗑 Delete button
10. ◀ Arrow button (Left)










- Flash button
- 11. **MENU** button
- 12. Battery / card cover
- 13. Tripod socket
- 14.. LCD monitor

## Mode Dial

You can select from seven shooting modes and setup mode according to shooting conditions to achieve the desired effect.



Mode			Description
1	<b>P</b>	Program	Select this mode to permit the ISO, EV, and White Balance to be set manually.
2		Portrait	Select this mode to make people stand out with the background out-of-focus.
3		Landscape	Select this mode to take photographs of distant scenery or landscapes.
4		Sports	Select this mode to shoot fast moving objects.
5		Night	Select this mode to take photographs of people against a dusk or night-time background.
6		Setup	Select this mode to adjust the camera settings.
7		Video	Select this mode to record movie clips.
8		Auto	Select this mode to adjust point-and-shoot action.

## Using the Mode Dial

1. Rotate the mode dial to the desired mode and turn your camera on by pressing the power switch.
2. Compose your subject within the focus frame. When you press the shutter release button down half way, the camera's Auto Focus feature automatically focuses the image. Proper exposure is determined and locked at the same time.
3. Press the shutter release button all the way down to capture the image.

## LCD Monitor Information

### Camera Mode

#### 1. Mode indication

- [P] Program Mode
- [P] Portrait Mode
- [P] Landscape Mode
- [P] Sport Mode
- [P] Night Mode
- [P] Movie Mode
- [A] Auto Mode

#### 2. Flash mode

- [A] Auto
- [Red eye] Red eye
- [Flash on] Flash on
- [Flash off] Flash off

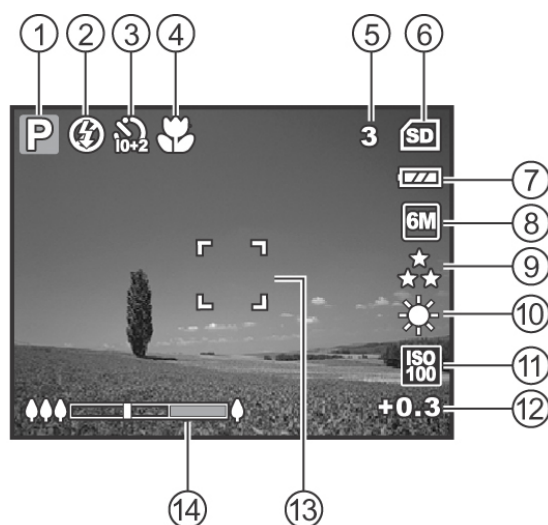
#### 3. Capture mode

- [X1] Single
- [Burst] Burst
- [AEB] AEB
- [2] 2 sec. Self-timer
- [10] 10 sec. Self-timer
- [10+2] 10+2 sec. Self-timer

#### 4. Focus mode

- [AUTO] Standard
- [Macro] Macro
- [Infinity] Infinity

#### 5. Possible number of shots



#### 6. Memory status

- : Built-in memory (without card)
- [SD]: SD memory card

#### 7. Battery

- [Full battery power] Full battery power
- [Medium battery power] Medium battery power
- [Low battery power] Low battery power
- [No battery power] No battery power

#### 8. Recorded pixels

- [6M] 2816 x 2112
- [4M] 2304 x 1728
- [2M] 1600 x 1200
- [0.3M] 640 x 480

#### 9. Image quality

- [\*\*] Fine

#### [\*\*] Normal

#### [\*] Economy

#### 10. White balance

- [AUTO] Auto
- [Daylight] Daylight
- [Cloudy] Cloudy
- [Tungsten] Tungsten
- [Fluorescent] Fluorescent

#### 11. ISO sensitivity

- [ISO AUTO] Auto
- [ISO 64] 64
- [ISO 100] 100
- [ISO 200] 200
- [ISO 400] 400

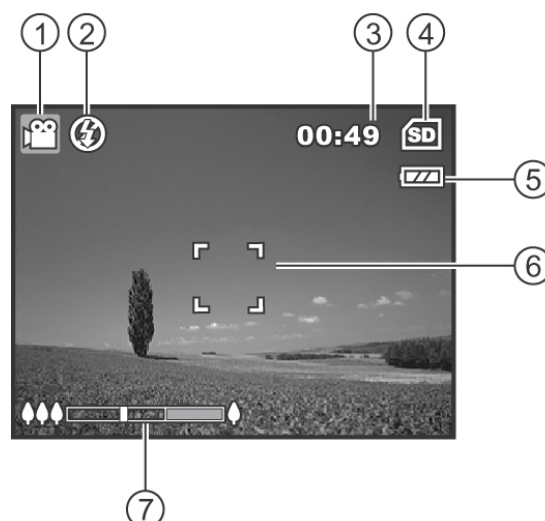
#### 12. EV compensation

#### 13. Focus area

#### 14. Zoom bar

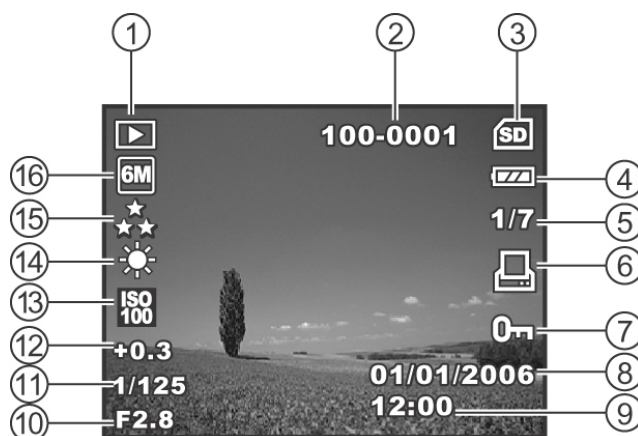
## Movie Mode

1. Movie mode
2. Flash mode
3. Recordable movie time available
4. Memory status
5. Battery power indicator
6. Focus area
7. Zoom bar



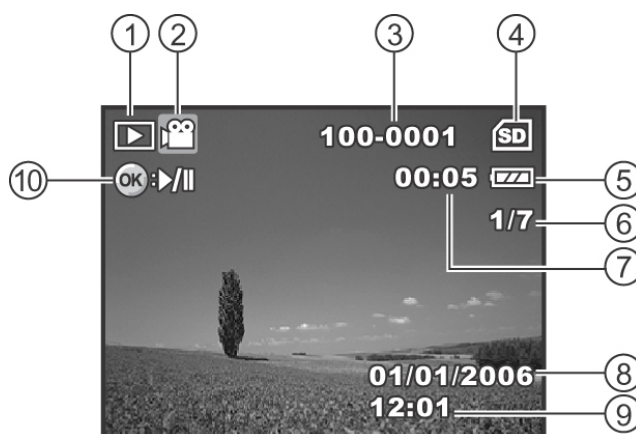
## Image Playback

1. Playback mode
2. Number of image
3. Memory status
4. Battery power indicator
5. Index number of total number
6. DPOF indicator
7. Protect indicator
8. Date
9. Time
10. Aperture
11. Shutter speed
12. EV compensation
13. ISO sensitivity
14. White balance
15. Image quality
16. Recorded pixels



## Movie Playback

1. Playback mode
2. Movie mode
3. Number of movie
4. Memory status
5. Battery power indicator
6. Index number of total number
7. Elapsed time
8. Date
9. Time
10. Play/Pause indicator

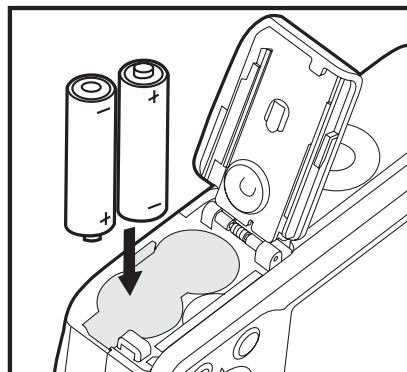


## **PREPARING THE CAMERA**

### **Installing the Batteries**

You can use 2 AA size batteries (alkaline or Ni-MH rechargeable) to power the camera. Make sure that the power of the digital camera is off before inserting or removing the batteries.

1. Make sure the camera is turned off.
2. Open the battery cover.
3. Insert the batteries in the correct orientation as shown in the illustration.
4. Close the battery cover.
  - ☐ To remove the batteries, turn the camera off before removing batteries and hold the camera with the battery cover facing upward, then open the battery cover.



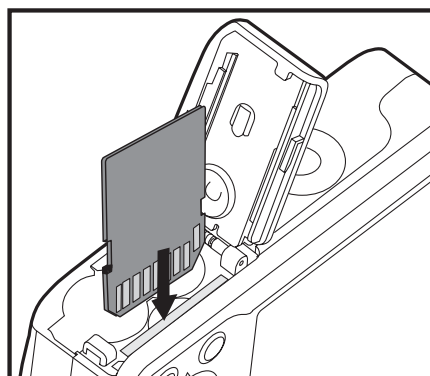
### **NOTE**

- Be careful not to drop the batteries when opening or closing the battery cover.
- Due to the characteristics of the AA alkaline battery, camera performance may deteriorate. AA alkaline battery is not recommended except in emergencies and checking the camera's functionality.

### **Inserting and Removing an SD Memory Card**

The digital camera comes with 16MB of internal memory, allowing you to store captured still images or video clips in the digital camera. Moreover, you can also expand the memory capacity by using an optional SD (Secure Digital) memory card so that you can store more files.

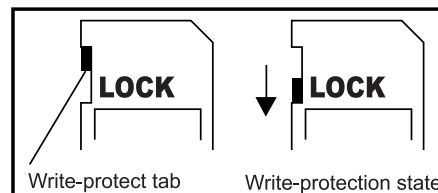
1. Make sure your camera is turned off before inserting or removing a memory card.
2. Open the SD memory card cover.
3. Insert an SD memory card in the correct orientation as shown in the illustration.
4. Close the battery/SD memory card cover.
  - ☐ To remove the SD memory card, make sure the camera is turned off. Press lightly on the edge of the memory card and it will eject.





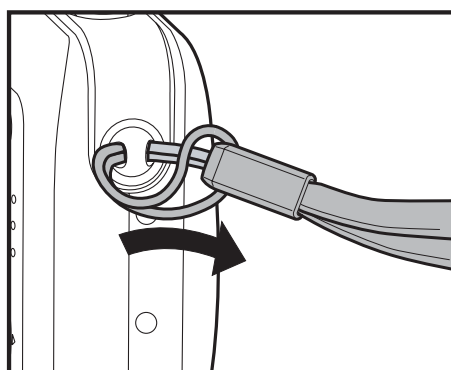
## NOTE

- To prevent valuable data from being accidentally erased from an SD memory card you can slide the write-protected tab (on the side of the SD memory card) to “LOCK”.
- To save, edit or erase data on an SD memory card, you must unlock the card.
- Be sure to format an SD memory card with this digital camera before using it.



## Attaching the Camera Strap

Attach the strap as shown in the illustration.



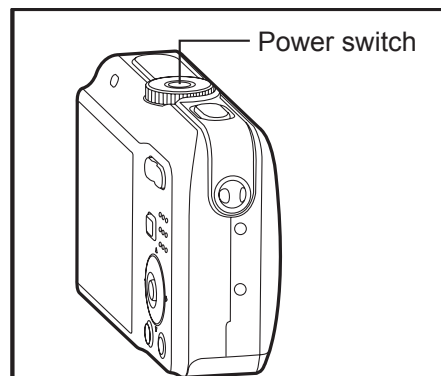
## LED Indicators and Self-timer Indicators

Indicators	State	Description/Activity
LED indicator	Solid green	The digital camera is on.
LED indicator	Blinking red and green	USB communication/transfer in progress
LED indicator	Blinking red and green	Charging the flash.
Self-timer indicator	Blinking blue	The self-timer function is activated.

## GETTING STARTED




### Turning the Power On/Off

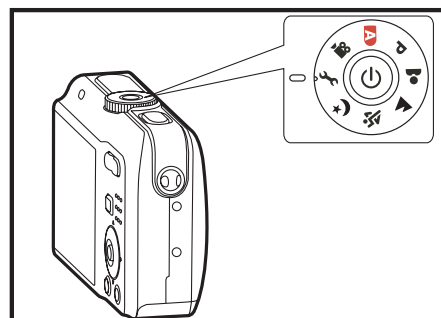
- ☐ Press the power switch until the digital camera turns on.
- ☐ To turn the power off, press the power switch again.



### Choosing the Screen Language


Follow the steps below to choose the desired language.

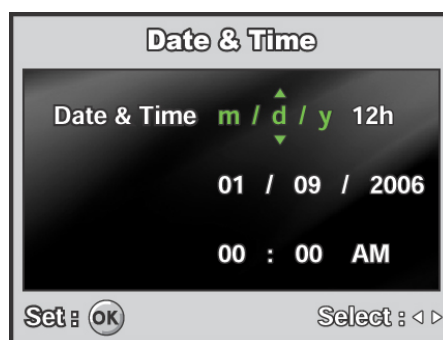
1. Rotate the mode dial to  and turn your camera on by pressing the power switch.
2. [Set-up1] is displayed.
3. Use the four-way controller () to select [Language], then press the OK button.
4. Use the four-way controller () to select the language you want.
5. Press the OK button to confirm.



## Setting the Date and Time

Follow the steps below to set the date display style, current date and time.

1. Rotate the mode dial to  and turn your camera on by pressing the power switch.
2. [Set-up1] is displayed.
3. Use the four-way controller (▼) to select [Date & Time], then press the OK button.
4. Press the four-way controller (◀ ▶) to select date style, Day, Month, Year and Time fields.
  - ☐ To increase a value, press the four-way controller (▲).
  - ☐ To decrease a value, press the four-way controller (▼).
  - ☐ To select the time display in 12-hour or 24-hour format, press the four-way controller.
5. Press the OK button after all fields are set.




### NOTE

- The date illustration shown is for the purpose of explanation and may differ from the actual setting of your camera.

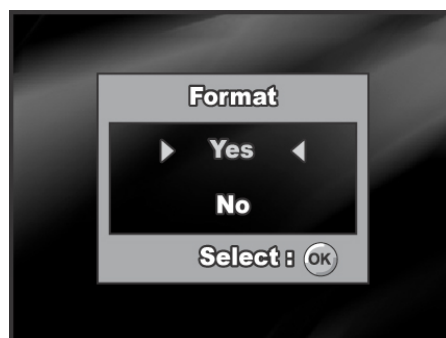
## Formatting an SD Memory Card or Internal Memory

The term “Formatting” means preparing an “SD memory card” to record images; this process is also called “initialization”. This utility formats an SD memory card or the internal memory and erases all stored images and data.

1. Rotate the mode dial to  and turn your camera on by pressing the power switch.



- Set-up1] is displayed.
- 2. Use the four-way controller (▼) to select [Format], then press the OK button.
- 3. Use the four-way controller (▲▼) to select [Yes], then press the OK button to confirm.



## NOTE

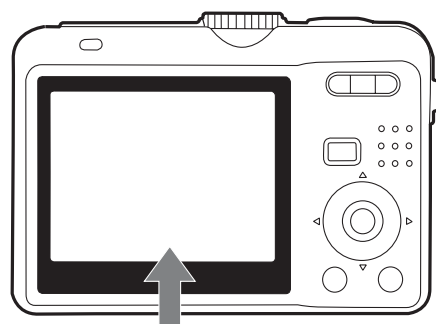
- When you format an SD memory card, be aware that all data on the SD memory card will be erased. Protected images are also erased.
- To format the internal memory, do not insert an SD memory card into the camera. Otherwise, you will format the SD memory card.
- An SD memory card having any problem cannot be properly formatted.

## Using the LCD Monitor

Your camera is equipped with a 2.4" full color TFT LCD monitor to help you compose images, replay recorded images/movie clips or adjust menu settings. The mode icons, text and numbers displayed on the monitor may vary according to the current settings.

1. Rotate the mode dial to **A**, **P**, **Portrait**, **Macro**, **Sports**, or **Star**.

2. Press the power switch to turn on the power.
3. Compose your scene on the LCD monitor.
4. Press the shutter release button.



## NOTE

- The LCD monitor darkens in strong sunlight or bright light. This is not a malfunction.
- To prevent your images from being blurred while pressing the shutter release button, always hold it carefully. This is especially important when you are shooting under low lighting conditions, since your camera may decelerate the shutter speed to ensure your images are properly exposed.



## Possible number of shots (still image)

The frame counter indicates the approximate number of images that can be stored on the internal memory and the SD memory card. The number of recordable images may vary depending on the recorded subject, the capacity of the memory card, if there are files other than images or when the recording is made while switching the picture quality or resolution.

Size	Quality	Internal Memory	SD memory Card capacity						
			32MB	64MB	128MB	256MB	512MB	1GB	2GB
2816 x 2112	Fine	4	9	20	41	83	168	337	676
	Standard	8	19	41	83	168	337	676	1354
	Economy	13	30	61	125	252	506	1014	2031
2304 x 1728	Fine	6	14	30	62	125	253	507	1015
	Standard	13	30	61	125	252	506	1014	2031
	Economy	19	43	88	179	360	723	1450	2902
1600 x 1200	Fine	13	30	61	125	252	506	1014	2031
	Standard	26	60	124	251	505	1013	2030	4063
	Economy	38	86	177	359	721	1448	2900	5805
640 x 480	Fine	68	152	311	628	1263	2534	5076	10160
	Standard	113	254	519	1048	2106	4225	8460	16934
	Economy	152	339	692	1397	2808	5633	11281	22579

## Possible recording time / sec (video clip)





The table below indicates the approximate duration of recording time depending on the capacity of the internal memory and the SD memory card.

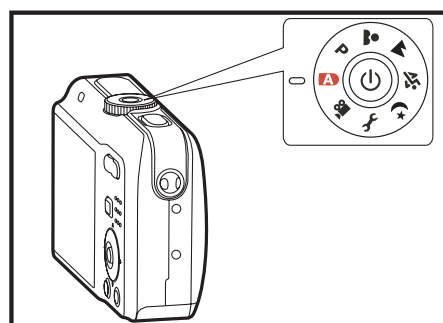
Size	Internal Memory	SD memory Card capacity						
		32 MB	64 MB	128 MB	256 MB	512 MB	1GB	2GB
320 x 240	00:49	01:51	03:48	07:42	15:28	31:03	62:12	124:30

- The values for the recording time may vary depending on the shooting conditions and settings.
- The frame rate is 30 fps (frames per second).

# PHOTOGRAPHY MODE

## Shooting Images

1. Rotate the mode dial to **A**, **P**, , ,  or  and turn your camera on by pressing the power switch.
2. Compose the image on the LCD monitor screen so that the main subject is within the focus frame.
3. Press the shutter release button down halfway to focus the image.
  - ☐ When you press the shutter release button down halfway, the camera's Auto Focus feature automatically focuses the image. The focus frame turns green if the subject is in focus. Proper exposure is determined and locked at the same time.
4. Press the shutter release button the rest of the way down to capture the image.

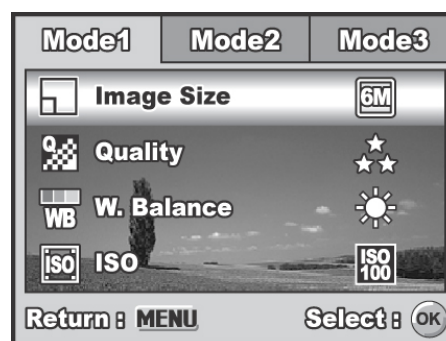


### NOTE

- The actual captured image appears to be larger than the one displayed by the LCD monitor screen after the image has been captured.
- Pressing the button switches the LCD monitor display mode. Each time you press the OK button, the display changes in the following order: Normal Display → information Display → No Icons → LCD Off.

## Setting Image Resolution and Quality

As you get to know the digital camera, you can set the image resolution (number of vertical and horizontal pixels) and image quality (compression ratio) based on the types of images you want to shoot. These settings affect the number of images that can be stored in the internal memory, or on an SD memory card. Higher resolution and higher quality images provide finer detail but cause the images' file size to be larger.



To change image resolution or image quality, perform these steps below:

1. Rotate the mode dial to **A**, **P**, **⊙**, **▲**, **⚡** or **☾** and turn your camera on by pressing the power switch.
2. Press the **MENU** button.
  - ☐ **[Mode1]** is displayed.
  - ☐ In the **A** mode, **[Auto]** is displayed.
3. Use the four-way controller (▼) to select **[Image Size]**, then press the OK button.
4. Use the four-way controller (▲▼) to select the desired setting, then press the OK button to confirm.
5. Follow steps 3 and 4 above to set the **[Quality]**.



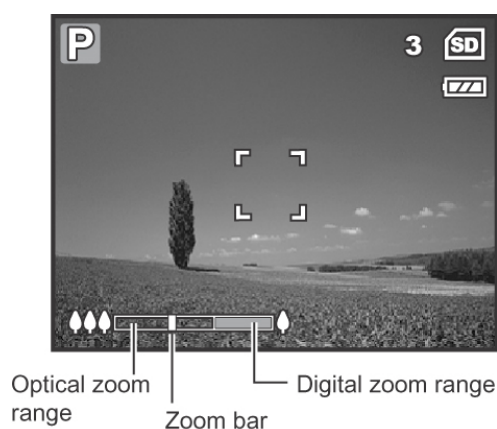
## NOTE

- The possible number of shots and recording time depend on the storage size, resolution and quality settings and the subject of the image to be captured.
- You can resize the images later. Please refer to the section “**Resizing an Image**” for further detail.

## Using the Zoom Function

This camera is equipped with 3x optical zoom. The lens moves during the optical zoom photography, allowing you to capture telephoto and wide-angle shots. By using the optical zoom function, images appear closer by pressing the **▲** button, or smaller away by pressing the **▲▲▲** button.

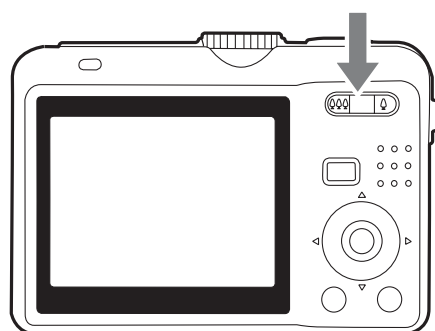
The zoom bar indicates the current level of magnification. When the digital zoom is within 3x magnification, the zoom bar is within the optical zoom range. When the digital zoom function is set to **On**, you can further enlarge the subjects with 4x digital zoom by pressing continuously the **▲** button. It is activated after your camera reaches its maximum optical zoom factor (3x) and the zoom bar is within the digital zoom area.



You can enlarge the subject to a maximum magnification equivalent to 12 times. A useful feature as it is, however, the more the image is enlarged, the more pixilated the image will appear.

To capture a zoomed image, perform the following steps:

1. Rotate the mode dial to **A**, **P**, **Portrait**, **Macro**, **Sports** or **Night** and turn your camera on by pressing the power switch.
2. Adjust the magnification ratio by using the **Zoom** button.
  - ☐ To exit the zoom photography, press continuously the **Zoom** button.
  - ☐ The status of digital magnification is displayed on the LCD monitor.
3. Compose your scene and press the shutter release button.



## NOTE

- To enable digital zoom feature, set the [Mode2- Digital Zoom] to [On] in the **A**, **P**, **Portrait**, **Macro**, **Sports** or **Night** mode.





## Using the Flash

The flash is designed to function automatically when lighting conditions warrant the use of flash. You can take an image using a desired flash mode depending on the circumstances.



1. Rotate the mode dial to **A**, **P**, **Portrait**, **Macro**, **Sports** or **Night**.
2. Press the power switch to turn on the power.
3. Press the four-way controller (**Flash**). The flash mode changes each time the button is pressed. You can also change the setting using the four-way controller (**Flash**).
4. Press the OK button to confirm the setting.
5. Compose your scene and press the shutter release button.










The camera has four flash modes: Auto, Auto + Red-eye, Flash on and Flash off. The table below will help you to choose the appropriate flash mode:

Flash mode	Description
[  ] Auto Flash	The flash fires automatically to suit the photographic conditions.
[  ] Red-eye Reduction	Use this mode to reduce the red-eye phenomenon when you want to capture natural-looking images of people and animals in low-light conditions. When capturing images, the red-eye phenomenon can be reduced by asking the subject (person) to look at the camera or get as close to the camera as possible.
[  ] Forced Flash	In this mode, the flash always fires. Use this mode for photographing under artificial light such as backlighting.
[  ] Flash Off	Use this mode when capturing images using indoor lighting, for stages and indoor competitions, and when the subject is too far away for the flash to be effective.

## Setting the Focus


Images can be captured with the focus determined automatically using auto focus. You may over-ride the auto focus and specify [] macro or [] infinity.



1. Rotate the mode dial to **A**, **P**, , , or .
2. Press the power switch to turn on the power.
3. Press the four-way controller (/). The focus mode changes each time the button is pressed. You can also change the setting using four-way controller (/).
4. Press the OK button to confirm the setting.
5. Compose your scene and press the shutter release button.



The camera has three focus modes: Standard, Macro and Infinity.

The table below will help you choose the appropriate focus mode:











Focus mode	Description
[  ] Auto Focus	Select Standard-focus setting for most occasions when you want the camera to automatically determine the focus setting. When using Standard-focus setting, any object at a range of focus is 40 cm or greater can be in focus.

[  ] Marco	Select Macro-focus setting to capture close-up images. When the lens is zoomed to its widest position you may focus objects as close as 6 cm. When the lens is zoomed to its telephoto position (3x zoom) you may focus objects as close as 35 cm.
[  ] Infinity	Select Infinity-focus setting when you want to capture images of subject at a distance of infinity. The flash mode will be set to <b>Flash Off</b> automatically.

## Capture Mode

### Burst

This mode is used for continuous shooting. Three pictures are taken continuously once the shutter release button is pressed. Secure the camera to a tripod or place it on a stable surface.

1. Rotate the mode dial to , **P**, , ,  or .
2. Press the power switch to turn on the power.
3. Press the four-way controller () and use () to select [Burst]. You can also change the setting using four-way controller () () .
4. Press the OK button to confirm the setting. The  indicator is displayed on the monitor screen.
5. Press the shutter release button halfway to lock the focus.
6. Press the shutter release button to capture a sequence of images.



### NOTE

- In Burst mode, the flash mode will be set to **Flash Off** automatically.

## Auto Bracket

In this mode, the camera automatically changes the exposure within a set range to take three shots after you press the shutter release button once. Auto Bracket settings can be combined with exposure compensation settings to extend the adjustment range.

1. Rotate the mode dial to **A**, **P**, **Portrait**, **Macro**, **Aperture Priority** or **Star**.
2. Press the power switch to turn on the power.
3. Press the four-way controller (**Up**/**Right**) and use (**Up**) to select [AEB]. You can also change the setting using the four-way controller (**Left**/**Right**).
4. Press the OK button to confirm the setting.  
The **A** indicator is displayed on the LCD monitor screen.
5. Press the shutter release button to capture the three images.



### NOTE

- In AEB mode, the flash mode will be set to **Flash Off** automatically.

## Setting the Self-timer

The self-timer can be used in situations such as group shots. When using this option, you should either mount the camera on a tripod (recommended) or rest it on a flat, level surface.

1. Secure the camera to a tripod or place it on a stable surface.
2. Rotate the mode dial to **A**, **P**, **Portrait**, **Macro**, **Aperture Priority** or **Star**.
3. Press the power switch to turn on the power.
4. Press the four-way controller (**Up**/**Right**) and use (**Up**) to select your desired self-timer mode. You can also change the setting using four-way controller (**Left**/**Right**).
5. Press the OK button to confirm the setting.
6. Compose your scene and press the shutter release button.
  - ☐ The self-timer function is activated.
  - ☐ The photograph is then taken after the preset time.
  - ☐ To cancel the self-timer at any time, press the four-way controller (**Up**/**Right**) or press the shutter release button halfway. The table below will help you





choose the appropriate self-timer mode:

Self-timer mode	Description
[ 10s] 10 sec.	The image is captured about 10 seconds after the shutter button is pressed.
[ 2s] 2 sec.	The image is captured about 2 seconds after the shutter button is pressed.
[ 10+2s] 10+2 sec.	One image is captured about 10 seconds after the shutter button is pressed, and the other image is captured again after 2 seconds. This is convenient when capturing group images in succession.



## NOTE

- After one shot is taken, the self-timer mode is turned off.
- If you wish to take another image using the self-timer, repeat these steps.

## Adjusting the Exposure (EV Compensation)

You can manually adjust the exposure determined by the digital camera. Use this mode when the proper exposure cannot be obtained, for example, when the contrast (difference between bright and dark areas) between the subject and the background is extremely high. The EV compensation value can be set in the range from -2.0EV to +2.0EV.



1. Rotate the mode dial to **A**, **P**, , , , or .
2. Press the power switch to turn on the power.
3. Press the four-way controller () and use to set the range of EV compensation value from -2.0EV to +2.0EV.
4. Press the OK button to confirm the setting.

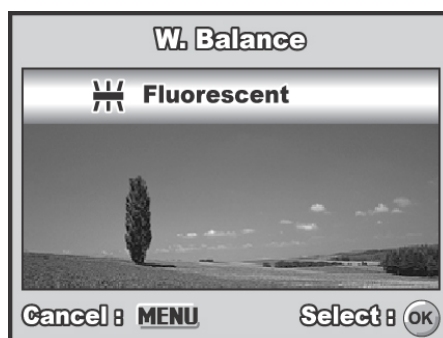
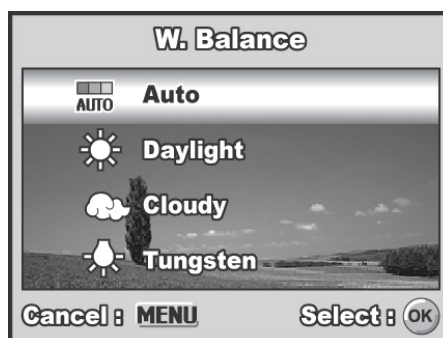
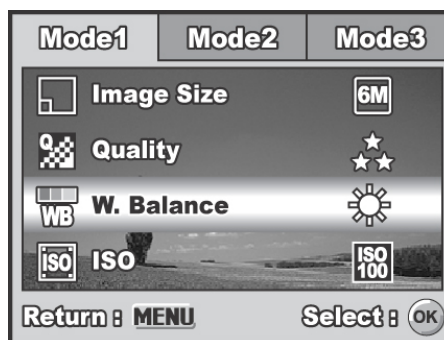
## Setting White Balance

This feature lets you make adjustments to compensate for different lighting types according to your shooting conditions.

1. Rotate the mode dial to **A**, **P**, , , , or .
2. Press the power switch to turn on the power.
3. Press the **MENU** button. [Mode1] is displayed.
4. Use the four-way controller () to select



- [W. Balance], then press the OK button.
5. Use the four-way controller (▲▼) to select the desired white balance setting, then press the OK button to confirm.
  6. To cancel the setting, press the **MENU** button and exit the menu.
  7. Press the shutter release button to capture the image.



## PLAYBACK MODE - THE BASICS

### Viewing Images

You can display the still images one by one.

1. Rotate the mode dial to **A**, **P**, **Ⓜ**, **▲**, **⚡**, **☾** or **📷** and turn your camera on by pressing the power switch.
2. Press the **▶** button.
  - ☐ The last recorded image appears on the LCD monitor screen.
  - ☐ Basic information is shown by indicators on the LCD monitor screen. To see full information display, press the OK button.
3. Use the four-way controller (**◀ ▶**) to select the desired images.
  - ☐ To view the previous image, press the four-way controller (**◀**).
  - ☐ To view the next image, press the four-way controller (**▶**).



### NOTE







- For protected images/movie clips, **🔒** mark will be displayed. Refer to the section “**Protecting Images/Movie Clips**” for further details.
- For images selected for printing with DPOF setting, **🖨** mark will be displayed. (Refer to the section “**Setting the DPOF**” for further details.)
- If there is no image stored in the internal memory or on the SD memory card, [No image] message will appear on the LCD monitor screen.
- You cannot enter the Playback mode from the Setup mode.

### Magnifying Images

While reviewing your images, you may enlarge a selected portion of an image. This magnification allows you to view fine details. The zoom factor displayed on the screen shows the current magnification ratio.

1. Press the **▶** button.
  - ☐ The last recorded image appears on the LCD monitor screen.
  - ☐ To view the previous image, press the four-way controller (**◀**).
  - ☐ To view the next image, press the four-way controller (**▶**).
2. Adjust the zoom ratio by using the **📈/📉** button.



- ☐ To enlarge the selected image, press the  button.
  - ☐ To return to the normal image, press the  button.
  - ☐ The magnification factor is displayed on the LCD monitor screen.
3. To view different portions of the images, press the four-way controller (   ) to adjust the display area.












## NOTE

- The magnification factors range from 1.5X to 4X (within 6 stages: 1.5X, 2.0X, 2.5X, 3.0X, 3.5X and 4.0X).

## Thumbnail Display


This function allows you to view 9 thumbnail images on the LCD monitor screen simultaneously so you may search for a particular image.

1. Press the  button.
  - ☐ The last recorded image appears on the LCD monitor screen.
2. Press the  button once.
  - ☐ Nine thumbnail images are displayed simultaneously.
  - ☐ For recorded movie clips, the  movie mode icon will be displayed.
  - ☐ For protected mages/movie clips,  mark will be displayed. (Refer to the section "Protecting Images/Movie Clips" for further details.)
3. Use the four-way controller (   ) to move the cursor to select the image to be displayed at regular size.
4. Press the or  button to display the selected image on full screen.




## Slideshow Display

The slideshow function enables you to play your images back automatically in sequential order. This is very useful and entertaining feature for reviewing recorded images and for presentations.

1. Press the  button.  
The last recorded image appears on the LCD monitor screen.



2. Press the **MENU** button to access the Playback menu. Then use the four-way controller () to select [Slide Show] and

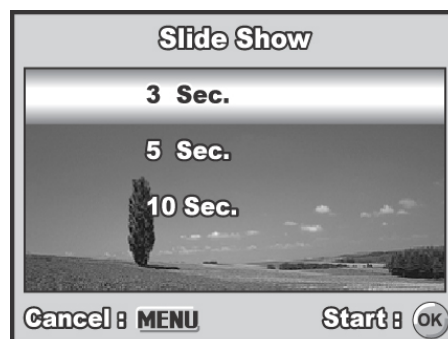
press the OK button.

3. Use the four-way controller (▲▼) to set the playback interval, then press the OK button.
  - ☐ The slideshow starts.
  - ☐ The movie clips display the first frame image, and the movie is not played back.
  - ☐ To stop slideshow, press the OK button.



## NOTE


- You can adjust the slideshow display interval within the range of 3 sec., 5 sec., 10 sec..



## Resizing an Image

You can change the image size of a captured image to one of the following sizes:

2304 x 1728 pixel, 1600 x 1200 pixel and 640 x 480 pixel.

1. Press the  button.
  - ☐ The last recorded image appears on the LCD monitor screen.
2. In the mode, use the four-way controller (◀▶) to select the desired images.
  - ☐ To view the previous image, press the four-way controller (◀).
  - ☐ To view the next image, press the four-way controller (▶).
3. Press the **MENU** button to access the Playback menu. Press the four-way controller (▶) to select [Playback2] and press (▼) to select [Resize] and press the OK button.
4. Use the four-way controller (▲▼) to select the desired setting, then press the OK button to confirm.




## NOTE

- You can only choose a smaller size image; you cannot increase the resolution of an image.
- Movies cannot be resized.

## MOVIE MODE

### Recording Movie Clips

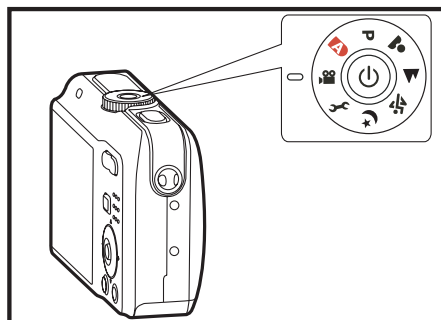
This mode allows you to record movie clips with sound via built-in microphone.

1. Rotate the mode dial to  and turn your camera on by pressing the power switch.
2. Press the shutter release button to start recording.
3. To stop recording, press the shutter release button again.








#### NOTE

- The optical zoom function (3X) can be activated before you start recording the movie clips
- The digital zoom function can be activated before and during the recording.
- Pressing the button switches the LCD monitor screen display mode. Each time you press the OK button, the display changes in the following order: Normal Display → No Icons → LCD Off.



### Playing Back Movie Clips

You can play back the recorded movie clips on the LCD monitor screen. However, the sound recorded with movie clips can only be played back on a computer.

1. Press the  button.
2. Use the four-way controller ( ) to go through the images until the movie clip you want to play back is displayed.
  - ☐ To view the previous image, press the four-way controller (.
  - ☐ To view the next image, press the four-way controller (.
3. Press the OK button to start playing back the movie clips.
  - ☐ To pause or resume movie playback, press the OK button again.





## NOTE

- The index number, date and time indicators displayed on the LCD monitor screen will disappear after a few seconds.
- The zoom function cannot be activated when playing back movie clips.
- To playback the movie clips on the computer, we recommend you use Windows Media Player 9.0 or later (WMP 9.0 or later). You can download WMP version from the website at [www.microsoft.com](http://www.microsoft.com)

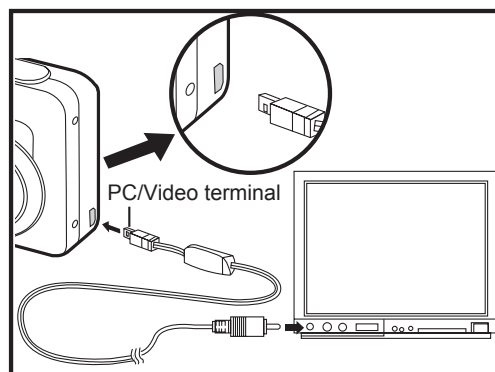
## PLAYBACK MODE – ADVANCED FEATURES

### Playing Back Still Images/Movie Clips on TV

You can also playback your images on a TV screen. Before connecting to any device, make sure to select NTSC/PAL system to match the video output system of the video equipment you are going to connect to the digital camera, then turn off all devices to be connected.

1. Connect one end of the Video cable to the Video terminal of the digital camera.
2. Connect the other end to the Video input socket of the TV set.
3. Turn the TV and digital camera on.
4. Playback the images/movie clips.

- ☐ The method of operation is the same as playing back still images and movie clips on the digital camera.



## NOTE









- The sound recorded with movie clips can only be played back on a computer.

## Deleting Images/Movie Clips

Use this function to delete one or all images/movie clips stored in SD memory card or the internal memory. Please note that the deleted images or movie clips cannot be recovered. Exercise caution before deleting a file.

1. Rotate the mode dial to **A**, **P**, **Ⓜ**, **▲**, **⚡**, **★** or **📷** and turn your camera on by pressing the power switch.



2. Press the  button.
  - ☐ The last recorded image/movie clip appears on the LCD monitor screen.
3. Use the four-way controller ( ) to select the image/movie clip you want to delete.
4. Press the  button to delete.
5. Use the four-way controller ( ) to select [This Image] or [All Images] you're your preference, then press the OK button.
6. When the delete message appears, use the four-way controller ( ) to select [Yes], then press the OK button to confirm the deletion.
  - ☐ If you wish to cancel the deletion, select [No].










## NOTE

- Protected images cannot be deleted with the delete function.





## Protecting Images/Movie Clips

Set the data to read-only to prevent images from being erased by mistake.

1. Press the  button.
  - ☐ The last recorded image appears on the LCD monitor screen.
2. In the  mode, use the four-way controller ( ) to select the desired images.
  - ☐ To view the previous image, press the four-way controller ().
  - ☐ To view the next image, press the four-way controller ().
3. Press the **MENU** button, then use the four-way controller () to select [Protect] and press the OK button.



4. Use the four-way controller (▲▼) to choose the desired setting, then press the OK button.
  - ☐ [Protect One]: Protect one image/movie.
  - ☐ [Protect All]: Protect all images/movies (at once).
5. Use the four-way controller (▲▼) to select [Lock], then press the **OK** button to confirm.
  - ☐ Press the **MENU** button to return to the  mode. The  indicator appears on the selected image.
  - ☐ If you wish to cancel the protect function of a protected image, select [Unlock].





## DPOF Settings

DPOF (Digital Print Order Format) allows you to embed printing information on your SD memory card. By using DPOF, you can select an image to be printed and then specify how many prints or which image you would like. Take your SD memory card to a DPOF enabled printer that accepts SD memory cards. The DPOF/card-compatible printer will read the embedded information on the SD memory card and print your images as specified.






To configure print settings for a single image / all images.

1. Press the  button, then use the four-way controller (◀▶) to select the desired image you want to print.
2. Press the **MENU** button. Use the four-way controller (▲▼) to select [DPOF], then press the OK button.
3. Use the four-way controller (▲▼) to select by your preference, then press the OK button.
  - ☐ [One Image]: To configure print settings for a single image.
  - ☐ [All Images]: To configure print settings for all images.
  - ☐ [Reset All]: Resets all DPOF settings.
4. Use the four-way controller (▲▼) to select by your preference, then press the OK button.
  - ☐ [Quantity]: Allows you to select image quantity (0~10). Use the four-way controller (◀▶) to set the image quantity.
  - ☐ [Date]: The date of recording can be printed directly on the images. Select [Yes] or [No] with the four-way controller (◀▶).
5. Press the **MENU** button to return to the image playback mode.
  - ☐ The print icon  is marked on the displayed image.
  - ☐ To cancel the DPOF settings for a single image, go back to step 3 to select [One Image] and select 0 in [Quantity] in the next step. For resetting all the DPOF settings, go back to step 3 to select [Reset All].





## NOTE

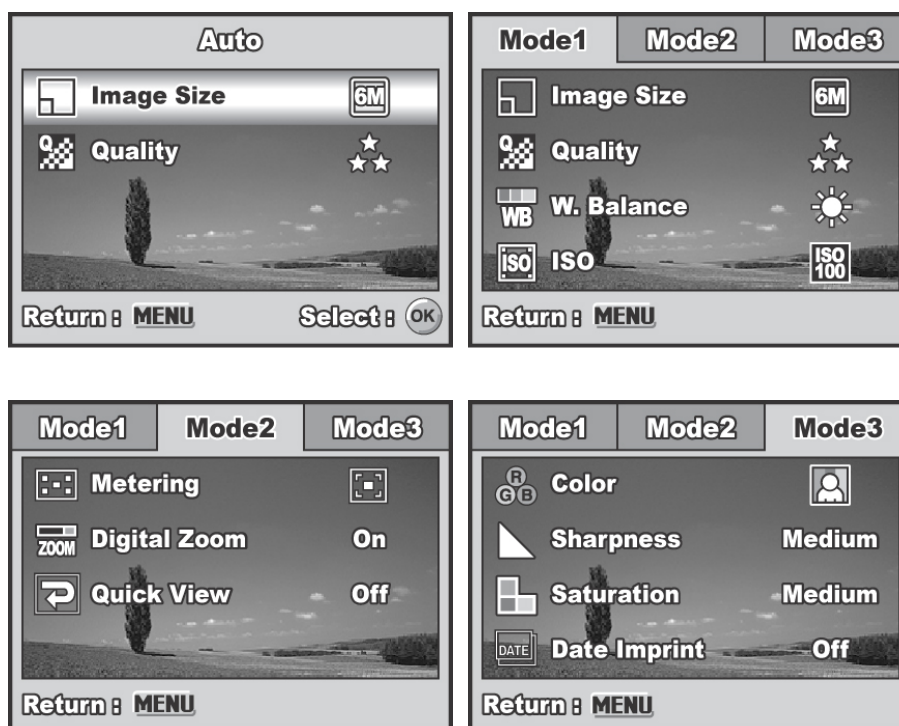
- Before you perform the DPOF settings on your camera, always remember to copy your images from the internal memory to an SD memory card first.
- The print  icon will appear on the LCD monitor screen indicating images selected for printing.
- You cannot print movies.
- Depending on the printer or printing equipment at the photo processing lab, the date may not be imprinted on the pictures even if the DPOF settings are made.



# MENU OPTIONS

## Camera Menu

1. Rotate the mode dial to **A**, **P**, , ,  or  and turn your camera on.



2. Press the **MENU** button, then use the four-way controller (◀▶) to select the [Mode1] / [Mode2] / [Mode3] menu.  
☐ In **A** Mode, press the **MENU** button to access the [Auto] menu directly.
3. Use the four-way controller (▲▼) to select the option item, then press the OK button.
4. Press the four-way controller (▲▼) to select the desired setting, then press the OK button.






### In the **A** Mode

Item	Functional Description
Image Size	<p>Sets the size of the image that will be captured. Refer to the section "<b>Setting Image Resolution and Quality</b>" for further details.</p> <p><b>6M</b> 2816x2112</p> <p><b>4M</b> 2304x1728</p> <p><b>2M</b> 1600x1200</p> <p><b>0.3M</b> 640x480</p>



Quality	<p>Sets the quality (compression rate) at which the image is captured.</p> <p>Refer to the section "<b>Setting Image Resolution and Quality</b>" for further details.</p> <p>[★★★] Fine</p> <p>[★★] Standard</p> <p>[★] Economy</p>
---------	---

In the , , , ,  or  Mode.

#### Mode1 settings










Item	Functional Description
Image Size	Refer to the section " <b>Setting Image Resolution and Quality</b> " for further details.
Quality	Refer to the section " <b>Setting Image Resolution and Quality</b> " for further details.
White Balance	<p>Sets the white balance when shooting under a variety of lighting conditions and permits photographs to be taken that approach the conditions that are seen by the human eye.</p> <p> Auto</p> <p> Daylight</p> <p> Cloudy</p> <p> Tungsten</p> <p> Fluorescent</p>
ISO	<p>Sets the sensitivity for taking pictures. When the sensitivity is raised (and the ISO figure is increased), photography will become possible even in dark locations, but the more pixilated (grainier) the image will appear.</p> <p>Auto / 64 / 100 / 200 / 400</p>

#### Mode2 settings

Item	Functional Description
Metering	<p>You can select the metering mode that sets which part of the subject to measure to determine the exposure.</p> <p> Center-weighted: Averages the light metered from the entire frame, but gives greater weight to the subject matter in the center.</p> <p> Spot: The exposure is determined by the small area in the center of the screen only.</p>

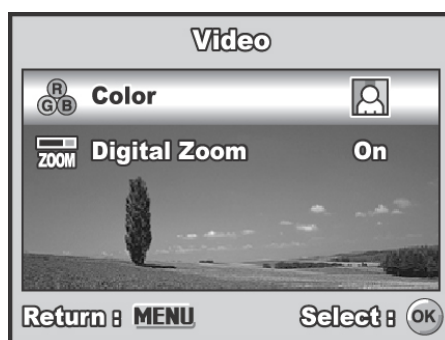
Digital Zoom	This decides whether or not to use digital zoom at the time of shooting. Refer to the section “ <b>Using the Zoom Function</b> ” for further details.
Quick View	Set to display a photographed image on LCD monitor screen immediately after you have taken the shot.


## Mode3 settings









Item	Functional Description
Color	Sets the color of the image that will be captured.  Full Color  Black & White  Sepia
Sharpness	Sets the level of image sharpness.  High  Medium  Low
Saturation	To capture an image, you can select from three different degrees of color to match with your preference. Your images will demonstrate different impression by selecting different degrees of color. This is called Saturation”.  High  Medium  Low
Date print	The date of recording can be printed directly on the still images. This function must be activated before the image is captured. The date appears on the right bottom of the captured picture. When images are shot with date imprint feature, the date cannot be removed later.

## Movie Menu

This menu is for the basic settings to be used when recording movie clips.




1. Rotate the mode dial to  and turn your camera on.
2. Press the **MENU** button.
3. Press the four-way controller (▲▼) to select the option item. Then press the OK button
4. Press the four-way controller (▲▼) to select the desired setting, then press the OK button.
5. To exit the movie menu, press the **MENU** button.

Item	Functional Description
Color	Refer to the Camera Menu's option item (A, P,  ,  ,  , or  Mode) for further details.
Digital Zoom	Refer to the Camera Menu's option item (A, P,  ,  ,  , or  Mode) for further details.

## Playback Menu

In the menu, set the settings used for playback.



1. Press the  button.  
☐ The last recorded image appears on the LCD monitor screen.
2. Press the **MENU** button, then use the four-way controller (▲▼) to select the [Playback1] / [Playback2] menu.
3. Use the four-way controller (▲▼) to select the option item, then press the OK button.
4. Press the four-way controller (▲▼) to select the desired setting, then press the OK button.
5. To exit the playback menu, press the **MENU** button.

**Playback 1**

Item	Functional Description
Slide Show	You can play back recorded images in order with a selected interval time. This function is useful for checking your images or for presentations, etc. Refer to the section “ <b>Slideshow Display</b> ” for further details. 3 Sec. / 5 Sec. / 10 Sec.
Protect	Set the data to read-only to prevent images from being erased by mistake. Refer to the section “ <b>Protecting Images/Movie Clips</b> ” for further details.
DPOF	Allows you to select the desired pictures to be printed and set the number of prints and whether or not to imprint the data in DPOF format. You can print images easily just by inserting the SD memory card to a DPOF-compatible printer or taking it to a print shop. Refer to the section “ <b>Setting the DPOF</b> ” for further details.

**Playback 2**

Item	Functional Description
Resize	Changes the size of a recorded image. Resizing replaces the original image with the changed image. Only resizing to a smaller size is available. Refer to the section “ <b>Resizing an Image</b> ” for further details. <div> <div>4M</div> <div>2304x1728</div> </div> <div> <div>2M</div> <div>1600x1200</div> </div> <div> <div>0.3M</div> <div>640x480</div> </div>
Quality Change	Changes the quality (compression rate) of a recorded image. Compresses images and overwrites an old size images with a newly compressed image. Only quality changing to a lower quality level is available. <div> <div>★★</div> <div>Normal</div> </div> <div> <div>★</div> <div>Economy</div> </div>
Copy to Card	Allows you to copy your files from the digital camera’s internal memory to an SD memory card. You can only do this if you have an SD memory card installed and some files in internal memory.

## Setup Menu

This feature allows you to set up the default settings by preference for using your camera.



1. Rotate the mode dial to mode and turn your camera on.
2. Press the four-way controller (◀▶) to select the [Set-up1] / [Set-up2] / [Set-up3] menu.
3. Use the four-way controller (▲▼) to select the desired option item, then press the OK button.
4. To exit the setup menu, rotate the mode dial to another mode.

### Set-up 1 setting

Item	Functional Description
Format	Erases all images and reformats the SD memory card loaded in your camera. Protected images are also erased. SD memory card cannot be formatted if it is write-protected. Refer to the section “ <b>Formatting an SD Memory Card</b> or <b>Internal Memory</b> ” for further details.
Beeper	This sets whether or not to mute the startup sound, and the camera sound each time you press a camera button. Louder / Soft / Off



Date & Time	This sets the date and the time. Refer to the section “ <b>Setting the Date and Time</b> ” for further details. d/m/y m/d/y y/m/d
Language	Sets the language that is displayed on the LCD monitor screen. Refer to the section “ <b>Choosing the Screen Language</b> ” for further details.

**Set-up 2 setting**

Item	Functional Description
USB	Choose one of the following modes for further settings. PC / PictBridge / PC CAM
TV	Sets video output of the camera for matching the video output system of the equipment that you are going to connect to the camera. PAL / NTSC
LCD Brightness	This sets the brightness of the LCD monitor screen. The adjustment range is from -5 to +5.
Auto Shut Down	If no operation is performed for a specific period of time, the power to the camera is automatically turned off. This feature is useful to reduce battery wear. 2 Min. / 3 Min. / 5 Min. / Off





**Set-up 3 setting**

Item	Functional Description
Reset Number.	Sets whether or not to reset the file number when you take photographs. This creates a new folder. The captured images are recorded to the newly created folder from number 0001. If you want to reset the file number, be sure that no images are recorded in the internal memory or the SD memory card.
Set to Default	Returns all basic settings to the digital camera's default settings. The time setting will not be reset.
Version	This displays the current firmware version of the camera.


## CONNECTING TO A PICTBRIDGE COMPLIANT PRINTER

Even if you do not have a computer, you can connect the camera directly to a printer that supports PictBridge to perform image selection and printing using the camera screen and controls. DPOF support also lets you specify which images you want to print and how many copies of each should be printed.







### Connecting the camera to the printer

1. Rotate the mode dial to  and turn your camera on by pressing the power switch.
2. Press the four-way controller () to select the [Set-up2] menu, then use the four-way controller () to select [USB Mode]. Press the OK button.
3. Use the four-way controller () to select [PictBridge], then press the OK button.
4. Connect your camera and the printer via the supplied USB cable.
  - ☐ The message "One moment" will appear on the LCD monitor screen.

### Printing images

When the camera is properly connected to a PictBridge-compatible printer, the [Printing Mode Select] screen is displayed on the LCD monitor screen. Use the four-way controller () to select the print mode.

**In [Print] Mode:** Lets you print the specified image with PictBridge.

Step	Procedure
1	Use the four-way controller (  ) to select the [Print] mode, then press the OK button.
2	Use the four-way controller (  ) to select the image you want to print, then press the four-way controller (  ) to set more detailed settings.
3	Use the four-way controller (  ) to select by your preference, then press the OK button. [Quantity]: Specifies the number of prints. Select a number up to 10. [Date]: If you select [With], images are printed with the date. [File Name]: If you select [With], images are printed with the file name.
4	After Print Setting is set, the print icon  is marked on the displayed image. You can still use the four-way controller (  ) to change the image by your preference, then press the OK button to print.

5	Use the four-way controller (▲▼) to access the paper selection setting, then press the OK button to confirm. [Size]: You may select the desired item depending on the type of printer being used. [Borderless]: You may select the desired item depending on the type of printer being used.
6	This starts printing and displays the message "Transferring" on the LCD monitor screen. The message will disappear after the printing is finished. Then the screen returns to [Printing Mode Select]. <input type="checkbox"/> To cancel printing: Pressing the button during print data transfer displays the screen for selecting whether to [Continue] or [Cancel] printing.

**In [Print All] Mode:** Lets you print all images with PictBridge.

Step	Procedure
1	If you wish to print all the images stored in the camera, you may choose [Print All] in [Printing Mode Select].
2	To set Print Settings, follow steps 2 to 6 in [Print] Mode.

**In [Print With DPOF] Mode:** This function only lets you print the specified image based on the previous DPOF settings.

Step	Procedure
1	If you wish to print images with DPOF setting, you may choose [Print With DPOF] in [Printing Mode Select].
2	To set Print Settings, follow steps 2 to 6 in [Print] Mode.



## NOTE

- When connecting a printer which is not compatible with DPOF, [Print With DPOF] cannot be selected.

## TRANSFERRING RECORDED IMAGES AND VIDEOS TO YOUR COMPUTER





### System Requirements (Windows)

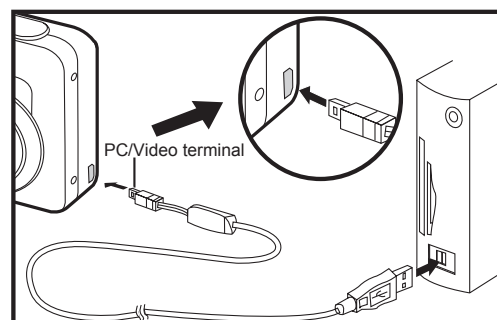
- ☐ Pentium III 600 MHz or higher
- ☐ Windows 2000/XP
- ☐ 64MB RAM
- ☐ 128MB hard disk space
- ☐ CD-ROM drive
- ☐ Available USB port

### System Requirements (Macintosh)

- ☐ PowerPC G3/G4
- ☐ OS 9.0 or later
- ☐ 64MB RAM
- ☐ 128MB hard disk space
- ☐ CD-ROM drive
- ☐ Available USB port

## Connecting the Camera to Your Computer

1. Rotate the mode dial to  and turn your camera on by pressing the power switch.
2. Press the four-way controller () to select the [Set-up2] menu, then use the four-way controller () to select [USB Mode].
3. Press the OK button.
4. Use the four-way controller () to select [PC], then press the OK button.
5. Turn off your camera.
6. Connect your camera and the computer via the supplied USB cable.
7. Turn your camera on by pressing the power switch.
8. There will be a new "Removable Disk" icon detected in "My Computer", which contains your recorded images or movie clips.



## Downloading Images and Video Files

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When the camera is turned on and connected to your computer, it is considered to be a disk drive, just like a floppy disk or CD. You can download (transfer) images by copying them from the “Removable disk” (“untitled” or “unlabeled” disk on a Macintosh) to your computer hard drive.

### Windows

Open the “removable disk” and subsequent folders by double clicking on them. Your images are inside these folder(s). Select the images that you want, and then choose “Copy” from the “Edit” menu. Open the destination location (folder) and choose “Paste” from the “Edit” menu. You may also drag and drop image files from the camera to a desired location.

### Macintosh

Open the “untitled” disk icon, and the destination location on your hard disk. Drag and drop from the camera to the desired destination.



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**NOTE**

- Memory card users may prefer to use a memory card reader (highly recommended).
- Video playback application is not included with the package. Make sure that video playback application has been installed in your computer.

## **EDITING SOFTWARE INSTALLATION**

### **Installing Photo Explorer**

Ulead Photo Explorer provides a simple and efficient way to transfer, browse, modify and distribute digital media. Acquire photos, video or sound clips from various digital device types and easily browse or add personal descriptions; make timely modifications; or distribute the media through the medium of your choice: E-mail, Print, Slideshow Presentations. It is an indispensable all-in-one tool for owners of digital cameras, Web Cams, DV camcorders, scanners, or anyone who strives to effectively organize a large collection of digital media.

#### **To install Photo Explorer:**

1. Insert the CD-ROM that came with the camera into your CD-ROM drive. The welcome screen appears.
2. Click "INSTALL PHOTO EXPLORER 8.0". Follow the on-screen instructions to complete the installation.



#### **NOTE**

- For more information about the operation of Photo Explorer application software, refer to its respective help documentation.
- For Windows 2000/XP users, please make sure to install and use the Photo Explorer in "Administrator" mode.
- Photo Explorer is not supported on the Mac. iPhoto or iPhoto2 is recommended.

### **Installing Photo Express**

Ulead Photo Express is complete photo project software for digital images. The step-by-step workflow, visual program interface, and in-program help assist users in creating exciting photo projects. Acquire digital photos effortlessly from digital cameras or scanners. Organize them conveniently with the Visual Browse mode. Use hundreds of ready-to-use templates such as albums, cards, posters, slideshows, and more. Edit and enhance images with photo editing tools, photographic filters, and special effects. Embellish projects by adding creative design elements such as frames, callouts, and stamp objects. Share results with family and friends via e-mail and multiple print options.

#### **To install Photo Express:**

1. Insert the CD-ROM that came with the camera into your CD-ROM drive. The welcome screen appears.

2. Click "INSTALL PHOTO EXPRESS 5.0". Follow the on-screen instructions to complete the installation.

**NOTE**

- For more information about the operation of Photo Express application software, refer to its respective help documentation.
- For Windows 2000/XP users, please make sure to install and use the Photo Express in "Administrator" mode.
- Photo Express is not supported on the Mac.

## USING THE DIGITAL STILL CAMERA AS A PC CAMERA

Your digital still camera can act as a PC camera, which allows you to videoconference with business associates, or have a real-time conversation with friends or family. To use the digital still camera for videoconferencing, your computer system must include the items as below:

- Microphone
- Sound card
- Speakers or headphones
- Network or Internet connection

**NOTE**

- Video conferencing (or video editing) software is not included with the digital still camera.
- This mode does not work with Mac.

### Step 1: Install the PC camera driver





The PC-camera driver included in the CD-ROM is exclusively for Windows.

The PC camera function is not supported for Mac platforms.

1. Insert the CD-ROM that came with the camera into your CD-ROM drive.
2. When the welcome screen appears, click "**PC CAM Driver**". Follow the on-screen instructions to complete the installation.
3. After the driver installation is completed, restart your computer.

## **Step 2: Connect the digital still camera to your computer.**

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1. Rotate the mode dial to  and turn your camera on by pressing the power switch.
2. Press the four-way controller () to select the [Set-up2] menu, then use the four-way controller () to select [USB Mode].
3. Press the OK button.
4. Use the four-way controller () to select [PC CAM], then press the OK button.
5. Connect your camera and the computer via the supplied USB cable.
6. Position the digital camera steadily on top of your computer monitor or use a tripod.



### **NOTE**

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- When using this digital still camera as a PC camera, it is necessary to install the battery into the digital still camera.

## **Step 3: Run your application software (i.e. Windows NetMeeting)**

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To use Windows NetMeeting for videoconferencing:

1. Go to **Start** → **Programs** → **Accessories** → **Communications** → **NetMeeting** to launch the NetMeeting program.
2. Click the **Start Video** button to view live video.
3. Click the **Place Call** button.
4. Type the e-mail address or the network address of the computer that you are calling.
5. Click **Call**. The person that you are calling must also have Windows NetMeeting running and be willing accept your call to start the videoconference.



### **NOTE**

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- The video resolution for videoconferencing applications is generally 320 x 240.
- For more information about the operation of videoconference application software, refer to its respective help documentation.














## CAMERA SPECIFICATIONS

Item	Description
Image Sensor	CCD
Effective pixels	6.0 Mega Pixels
Image resolution	2816 x 2112, 2304 x 1728, 1600 x 1200, 640 x 480
Video Resolution	320 x 240 (QVGA)
Lens	Auto Focus Lens - Aperture: Wide: 2.8 / Tele: 4.8 - Focal Length : 5.5mm ~16.5mm (Equivalent To: 34~102mm) - Focus Range : Macro W: 6cm ~ Inf. / T: 35cm ~ Inf. Normal 40cm ~ Inf.
Zoom	Optical Zoom : 3X Zoom Digital Zoom : 1.2X~4X by 0.2 step (Preview Mode) 1.5X~4X scrollable by 0.5 step (Playback Mode)
Shutter Speed	2~1/1000 sec
Exposure	1/3 EV step, -2.0~+2.0 EV
ISO	Auto, Manual : 64,100,200,400
White Balance	Auto, Manual Mode : Daylight / Cloudy / Tungsten / Fluorescent
LCD Display	2.4 " TFT LCD (112K pixels)
Memory	16MB, External : SD Card (up to 2GB)
Audio	Speaker : NO, Microphone : YES
Flash	Build-In : Auto, Fill-in Flash, Off Flash, Red-Eye Reduction Effective Range : Wide: 0.5m~3.0m; Tele: 0.5m~1.8m
Self-Timer	2 sec, 10 sec, 10+2 sec
Web Cam	Yes
Pictbridge	Yes
File format	Image: JPEG (EXIF 2.2) & DCF Video: Motion JPEG
Connectors	USB & AV-out 2-in-1 port
Power	2X "AA" Alkaline Battery
Weight	130g (without the battery & SD memory card)
Dimensions	90 x 62 x 27 mm (excluding protruding parts)

- Design and specifications are subject to change without notice.

## TROUBLESHOOTING

Refer to the symptoms and solutions listed below before sending the camera for repairs. If the problem persists, contact your local reseller or service center.

Symptom	Cause	Solution
Power does not turn on.	<ul style="list-style-type: none"> <li>● The battery has run out.</li> <li>● The battery is not oriented correctly.</li> <li>● The battery cover is not closed properly.</li> </ul>	<ul style="list-style-type: none"> <li>● Load new or fully charged battery.</li> <li>● Load the battery in the correct direction.</li> <li>● Close the battery cover correctly.</li> </ul>
Camera suddenly powers down.	<ul style="list-style-type: none"> <li>● The function of [Auto Shut Down] in the  mode has been activated.</li> <li>● The battery has run out.</li> </ul>	<ul style="list-style-type: none"> <li>● Turn the power back on and set the option of [Auto Shut Down] to [Off].</li> <li>● Load new or fully charged battery.</li> </ul>
Image is not captured when the shutter release button is pressed.	<ul style="list-style-type: none"> <li>● The camera is in the  or  mode.</li> <li>● Memory is full.</li> </ul>	<ul style="list-style-type: none"> <li>● Rotate the mode dial to , , , , , , or .</li> <li>● Transfer the desired files to your computer and then delete unnecessary files, or use a different memory card.</li> </ul>
Flash does not fire.	<ul style="list-style-type: none"> <li>● Flash off is selected in flash mode.</li> <li>● 10+2 sec. Self-timer is selected in self-timer mode.</li> <li>● The [Capture Mode] is set to [Burst] or [AEB].</li> <li>● The camera is in the  (video) mode.</li> </ul>	<ul style="list-style-type: none"> <li>● Select a different flash mode.</li> <li>● Select [Single] in the [Capture Mode].</li> <li>● Switch the mode dial to another mode.</li> </ul>
Continuous shooting is not possible.	<ul style="list-style-type: none"> <li>● The capacity of the built-in memory or SD memory card is full.</li> </ul>	<ul style="list-style-type: none"> <li>● Insert SD memory card with available space or delete unwanted images.</li> </ul>
Cannot transfer files over a USB connection.	<ul style="list-style-type: none"> <li>● USB cable is not connected securely.</li> <li>● USB driver is not installed.</li> <li>● Camera is turned off.</li> </ul>	<ul style="list-style-type: none"> <li>● Check all connections.</li> <li>● Install the USB driver on your computer.</li> <li>● Turn on the camera.</li> </ul>